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PTO/SB/05 (2/98)
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Only for new nonprovisional applications under 37 CFR 1.53(b)

Attorney Docket No. 04983.0216.NPUS01/38-10(15810)B US
First Named Inventor or Application Identifier HAUGE
Title Nucleic Acid Molecules and Other Molecules Associated with Soybean Cyst Nematode Resistance
Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ *Fee Transmittal Form (Form PTO-1082)
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 130]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claims
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets 1]
4. ☒ Oath or Declaration [Total Pages 6]
a. ☒ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and
1.33(b).
- ☐ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy
of the oath or declaration is supplied under Box 4b, is considered
as being part of the disclosure of the accompanying application
and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☒ Computer Readable Copy
b. ☒ Paper Copy (identical to computer copy)
(1,313 pages)
c. ☒ Statement verifying identity of above
copies

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503) (Two)
(should be specifically itemized)
14. ☐ *Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Check No. 343874 for \$2,686.00 to cover the basic filing fee and extra claims fee

*NOTE FOR ITEMS 1 & 14. IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior Application Information: Examiner: Group/Art Unit:

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label 22930 or ☐ Correspondence address below
(Insert Customer No. or Attach bar code label here)

NAME	David R. Marsh HOWREY SIMON ARNOLD & WHITE, LLP				
ADDRESS	Box No. 34 1299 Pennsylvania Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20004-2402
COUNTRY	US	TELEPHONE	202-783-0800	FAX	202-383-7195
Name (Print/Type)	David R. Marsh/Andrew S. Brenc			Registration No. (Attorney/Agent)	41,408/45,534
Signature				Date	January 5, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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1c398 U.S. PTO
09/754853
01/05/01

Attorney Docket No. 04983.0216.NPUS01/38-21(15810)B US

COMMISSIONER FOR PATENTS
Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Brian M. HAUGE et al.

For: Nucleic Acid Molecules and Other Molecules Associated with Soybean Cyst Nematode Resistance

Enclosed are:

- ☒ 1 sheet of informal drawings (Figures 1 and 2).
- ☒ An assignment of the invention to Monsanto Company
- ☒ Form PTO-1595.
- ☒ Information Disclosure Statement (including Form PTO-1449 (2 pages), and 14 accompanying documents)
- ☒ Executed Combined Declaration and Power of Attorney for Patent Application (6 total pages).

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	72 - 20 =	* 52
INDEP. CLAIMS	16 - 3 =	* 13
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		


If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY	
RATE	FEE
	345.00
x 9 =	
x 40 =	
+ 135 =	
TOTAL	\$

OTHER THAN A SMALL ENTITY	
RATE	FEE
	710.00
x 18 =	936.00
x 80 =	1040.00
+ 270 =	
TOTAL	\$ 2686.00

- ☐ Please charge my Deposit Account No. 08-3038 in the amount of . A duplicate copy of this sheet is attached.
- ☐ Please charge my credit card in the amount of \$. A Form PTO-2038, Credit Card Payment Form, is attached in duplicate.
- ☒ Check No. 343874 in the amount of \$ 2,686.00 to cover the filing fee is enclosed.
- ☒ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-3038 Referencing docket number 04983.0216.NPUS01. A duplicate copy of this sheet is attached.
 - ☒ Any additional filing fees required under 37 C.F.R. § 1.16.
 - ☒ Any patent application processing fees under 37 C.F.R. § 1.17.
- ☐ The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 08-3038 referencing docket number . A duplicate copy of this sheet is attached.
 - ☐ Any patent application processing fees under 37 C.F.R. § 1.17.
 - ☐ The issue fee set in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).
 - ☐ Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

Date: January 5, 2001


David R. Marsh (Reg. No. 41,4108)/Andrew S. Brenne (Reg. No. 45,534)



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A LIMITED LIABILITY PARTNERSHIP

January 5, 2001

Assistant Commissioner for Patents
Washington, DC 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application
Application No.: To Be Assigned
Filed: January 5, 2001
Title: Nucleic Acid Molecules and Other Molecules Associated
with Soybean Cyst Nematode Resistance
Inventors: Brian M. HAUGE *et al.*
Atty. Dkt. No.: 04983.0216.NPUS01/38-10(15810)B US

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. Form PTO-1082 (in duplicate);
3. U.S. Utility Patent Application entitled:

**Nucleic Acid Molecules and Other Molecules Associated with Soybean Cyst
Nematode Resistance**

and naming as inventors:

**Brian M. HAUGE, Ming Li WANG, Jeremy D. PARSONS, and Laurence D.
PARNELL,**

the application consisting of:

- a. A specification containing:
 - (i) 119 pages of a description prior to the claims;
 - (ii) 10 pages of claims (72 claims);
 - (iii) 1 page an abstract; and

- (iv) 1,313 pages of a sequence listing; and
- b. 1 sheet of drawings (Figures 1 and 2);
4. A CD-ROM containing the sequence listing;
 5. Statement Regarding Sequence Submission;
 6. Combined Declaration and Power of Attorney, executed by inventors Brian M. Hauge, Ming Li Wang, and Laurence D. Parnell (3 pages);
 7. Combined Declaration and Power of Attorney, executed by inventor Jeremy D. Parsons (3 pages);
 8. Information Disclosure Statement;
 9. Form PTO-1449 (2 pages), with 14 accompanying documents;
 10. Form PTO-1595 (Recordation Form Cover Sheet) (including authorization to charge the recordation fee to counsel's Deposit Account);
 11. Assignment, executed by Brian M. Hauge, Laurence D. Parnell, and Ming Li Wang (3 pages);
 12. Assignment, executed by Jeremy D. Parsons (2 pages);
 13. Our Check No. 343874 in the amount of \$2,686.00 to cover the basic filing fee and extra claims fee; and
 14. Two (2) return postcards.

This application claims priority under 35 U.S.C. §119(e) of U.S. Application No. 60/174,880, filed January 7, 2000.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Sincerely,



David R. Marsh (Reg. No. 41,408)

Andrew S. Brenc (Reg. No. 45,534)

Enclosures